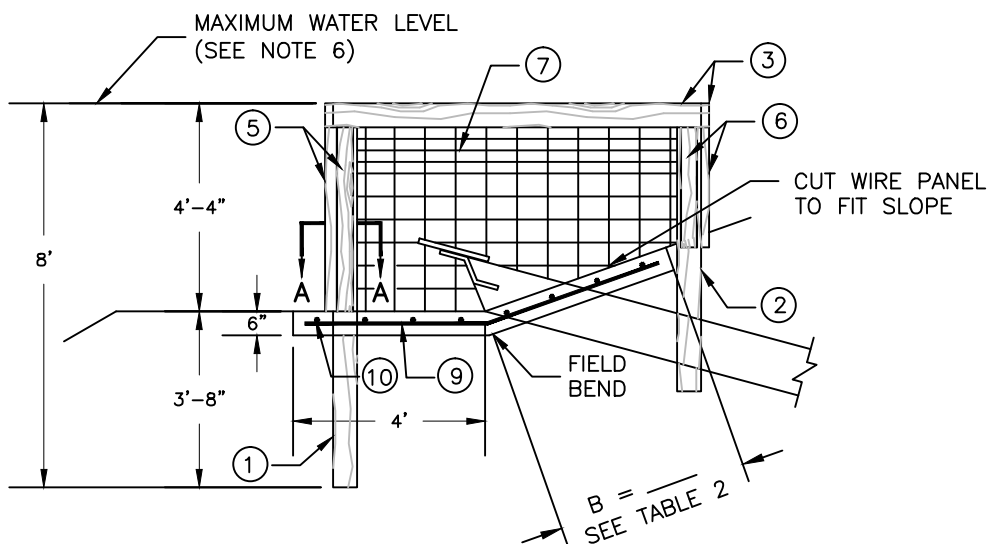
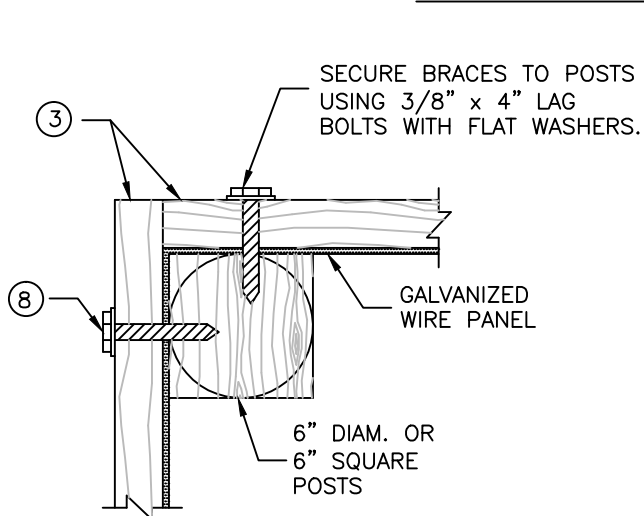


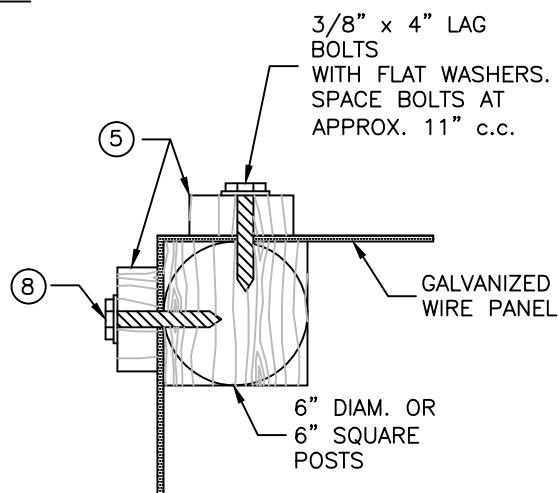
PLAN VIEW



SECTION ON CENTERLINE



DETAIL A



SECTION A-A

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United States
Department of
Agriculture

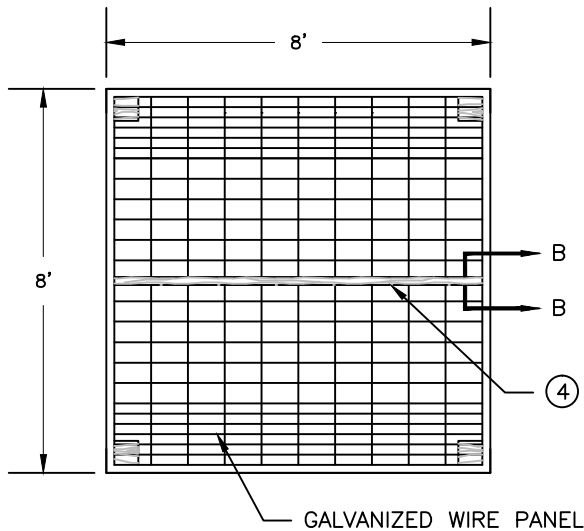
Natural Resources
Conservation Service

TRASH RACK AND PROTECTIVE FENCE FOR HOOD INLETS

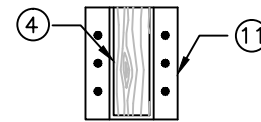
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NOTE
THE WIRE PANEL SHALL BE FASTENED TO THE TOP OF THE TRASH RACK BRACES WITH 2" LONG GALVANIZED STAPLES 6" ON CENTER. IF ACCESS IS DESIRED TO THE RISER, THE COVER MAY BE CONSTRUCTED ON A SEPARATE FRAME WITH HINGES AND LOCKDOWN HARDWARE.



PLAN VIEW
OPTIONAL COVER

SECTION B-B

BILL OF MATERIALS			
MARK	ITEM	LENGTH	QUANTITY
1	6" DIAM. OR 6" SQUARE POSTS	8'-0"	2
2	6" DIAM. OR 6" SQUARE POSTS	6'-0"	2
3	2" x 6" BRACES	8'-0"	4
4	2" x 6" BRACE (TO FASTEN OPTIONAL WIRE PANEL COVER ON TOP)	8'-0"	1
5	2" x 4" BOARDS	3'-10"	4
6	2" x 4" BOARDS	2'-6"	4
7	GALVANIZED WIRE PANEL - (4'-4" HIGH)	16'-0"	2 *
8	3/8" x 4" LONG LAG BOLTS WITH FLAT WASHERS	---	AS REQD.
9	REINFORCING STEEL (SEE TABLE 1)	---	POUNDS
10	REINFORCING STEEL (SEE TABLE 1)	---	POUNDS
11	GALVANIZED JOIST HANGERS (OPTIONAL COVER)	---	2
	CONCRETE SLAB (SEE TABLE 2)	---	CU. YDS.
	ROCK RIPRAP		CU. YDS.
	BEDDING FOR ROCK RIPRAP		CU. YDS.

* ADD ONE TO THE QUANTITY FOR THE OPTIONAL COVER.

NOTES:

1. ALL WOOD SHALL BE PRESSURE TREATED.
2. INSTALL WIRE PANELS WITH CLOSE WIRE SPACING AT THE TOP AS SHOWN.
3. REINFORCEMENT IS #4 BARS SPACED AT 12" EACH WAY. CUT THE STEEL REINFORCEMENT BARS AROUND THE PIPE PROVIDING A MINIMUM 2 INCH CLEARANCE.
4. BEFORE THE CONCRETE IS PLACED, WRAP THE PIPE WITH A STRIP OF HEAVY ROOFING FELT WHERE THE CONCRETE WILL BE IN CONTACT WITH THE PIPE.
5. ROCK RIPRAP WITH BEDDING MAY BE USED AS AN OPTION TO THE CONCRETE SLAB WHEN SO SPECIFIED ON THE DRAWINGS.
6. THE MAXIMUM WATER LEVEL SHALL BE BELOW THE TOP OF THE TRASH RACK UNLESS A WIRE PANEL COVER IS PROVIDED. SEE COVER DETAILS ABOVE.

TABLE 1 – STEEL QUANTITIES								
CONDUIT DIAMETER	MARK 9 (#4 BAR)			MARK 10 (#4 BAR)			TOTAL FEET	TOTAL POUNDS
	LENGTH	QUAN.	FEET	LENGTH	QUAN.	FEET		
6"	7'-6"	4	30'-0"	3'-6"	8	28'-0"	58'-0"	39
8"	7'-6"	4	30'-0"	3'-6"	8	28'-0"	58'-0"	39
10"	7'-6"	4	30'-0"	3'-6"	8	28'-0"	58'-0"	39
12"	7'-6"	4	30'-0"	3'-6"	8	28'-0"	58'-0"	39
15"	8'-6"	6	51'-0"	5'-6"	9	49'-6"	100'-6"	67
18"	8'-6"	6	51'-0"	5'-6"	9	49'-6"	100'-6"	67
21"	9'-6"	6	57'-0"	5'-6"	10	55'-0"	112'-0"	75
24"	9'-6"	6	57'-0"	5'-6"	10	55'-0"	112'-0"	75
30"	10'-6"	6	63'-0"	5'-6"	11	60'-6"	123'-0"	83
36"	11'-6"	7	80'-6"	6'-6"	12	78'-0"	158'-6"	106
42"	12'-6"	7	87'-6"	6'-6"	13	84'-6"	172'-0"	115
48"	13'-6"	7	94'-6"	6'-6"	14	91'-0"	185'-6"	124

TABLE 2 – CONCRETE QUANTITIES				
CONDUIT DIAMETER	DIMENSION A	DIMENSION B	SLAB SIZE	TOTAL CONCRETE (CU. YDS.)
6"	4'	4'	4' x 8'	.6
8"	4'	4'	4' x 8'	.6
10"	4'	4'	4' x 8'	.6
12"	4'	4'	4' x 8'	.6
15"	6'	5'	6' x 9'	1.0
18"	6'	5'	6' x 9'	1.0
21"	6'	6'	6' x 10'	1.1
24"	6'	6'	6' x 10'	1.1
30"	6'	7'	6' x 11'	1.1
36"	7'	8'	7' x 12'	1.4
42"	7'	9'	7' x 13'	1.5
48"	7'	10'	7' x 14'	1.6